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Scheduling parallel tasks with energy and time constraints on multiple manycore processors in a cloud computing environment

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*Highlights (for review)

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- Addressing energy and time constrained scheduling of precedence constrained parallel tasks;
- Deriving lower bounds for optimal solutions;
- Developing pre-power-determination algorithms and post-power-determination algorithms;
- Considering multiple manycore processors with continuous or discrete speed levels;
- Evaluating the performance of these algorithms analytically and experimentally.

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